

FIG. 1A

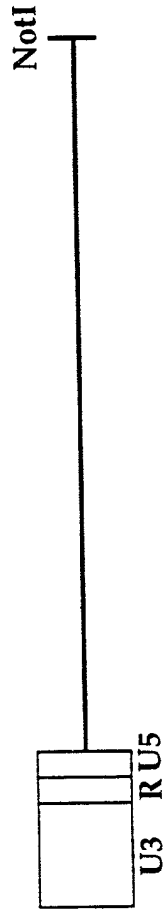


FIG. 1B

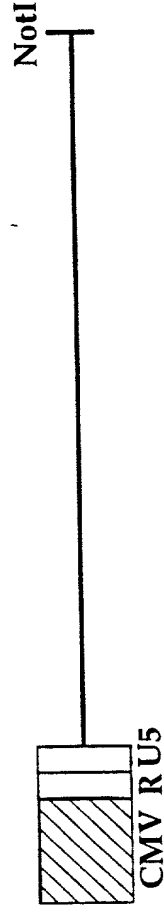


FIG. 1C

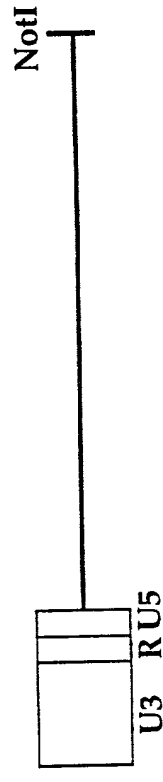


FIG. 1D

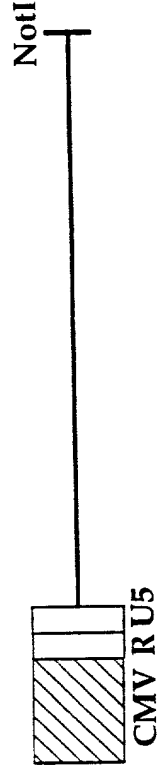


FIG. 1E

FIG. 2A

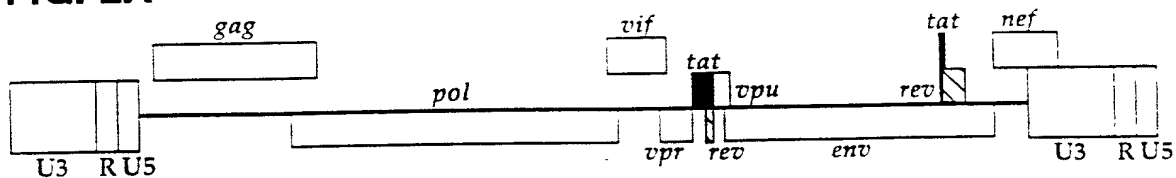


FIG. 2B

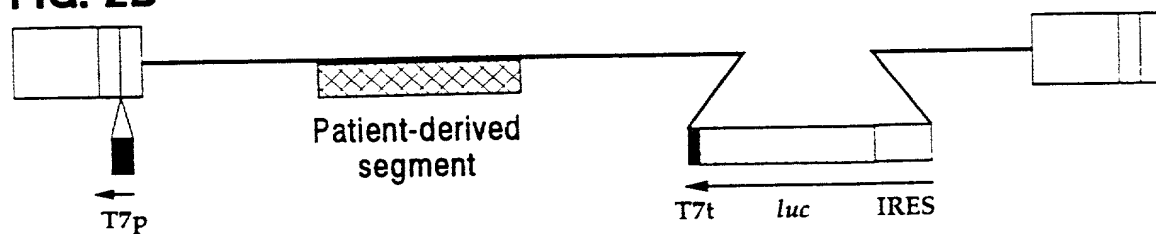


FIG. 2C

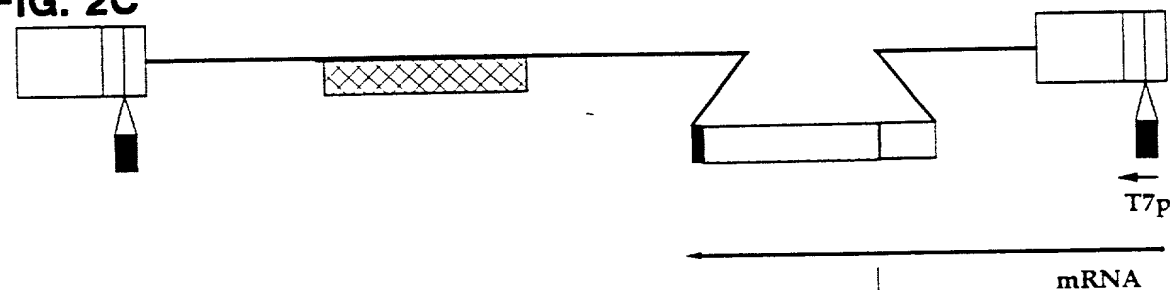


FIG. 2D

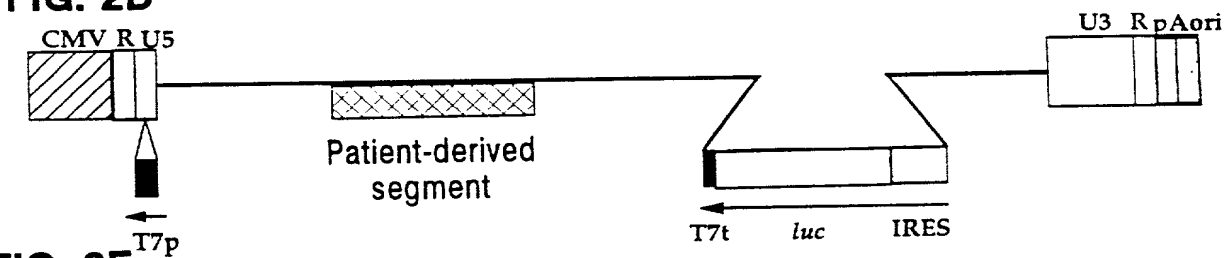
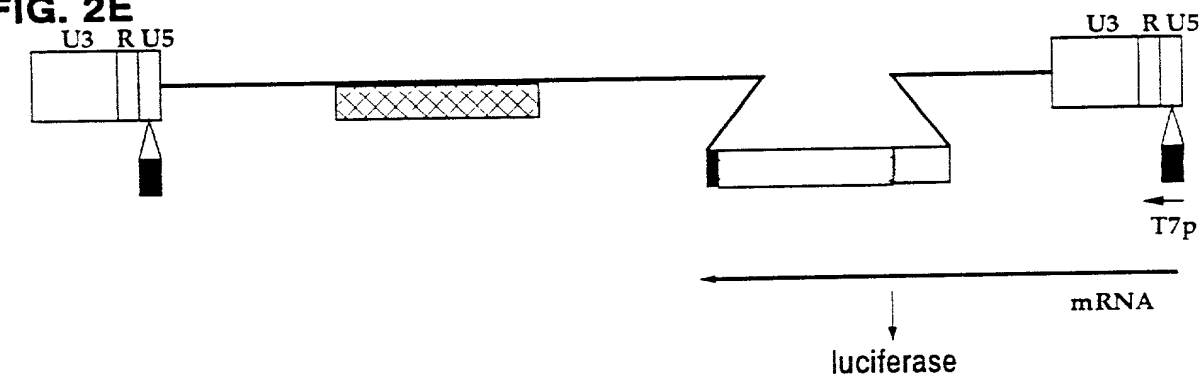


FIG. 2E



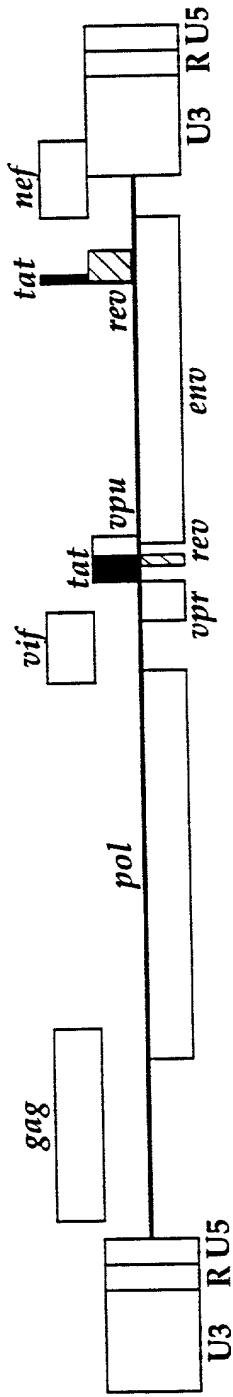


FIG. 3A



FIG. 3B

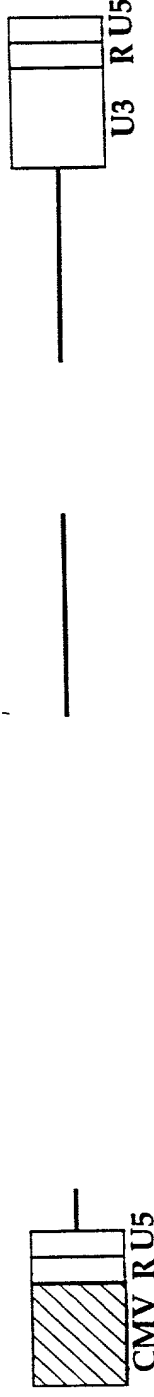


FIG. 3C

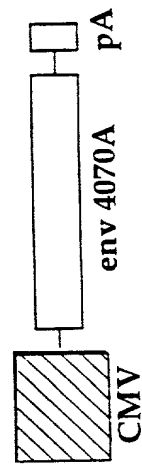


FIG. 3D

TECHNOLOGICAL

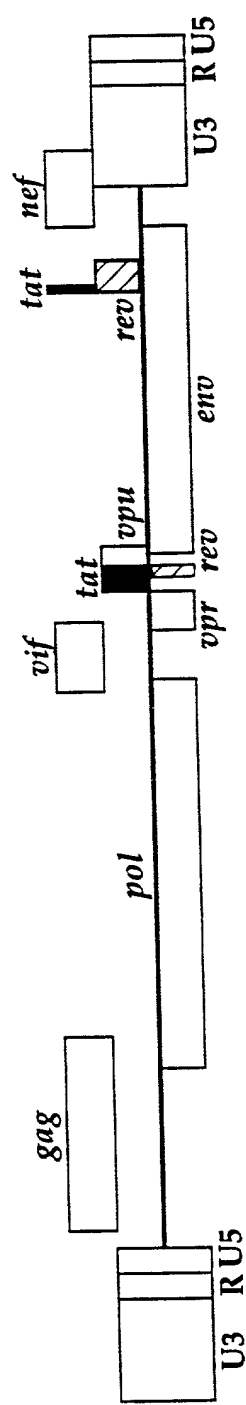


FIG. 4A

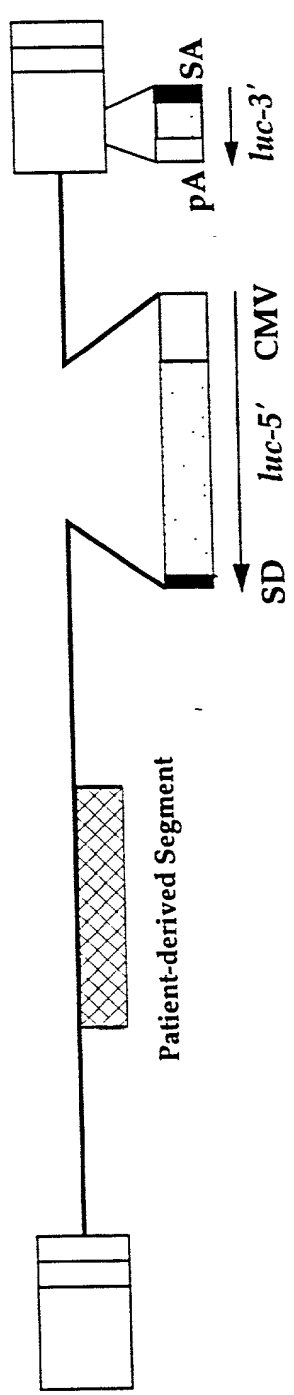


FIG. 4B

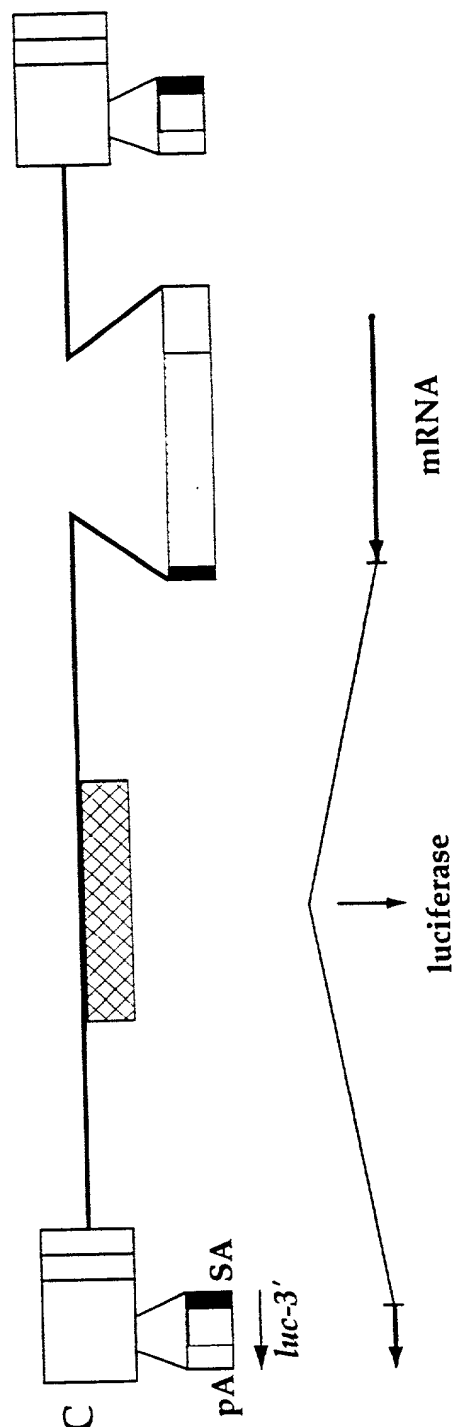


FIG. 4C

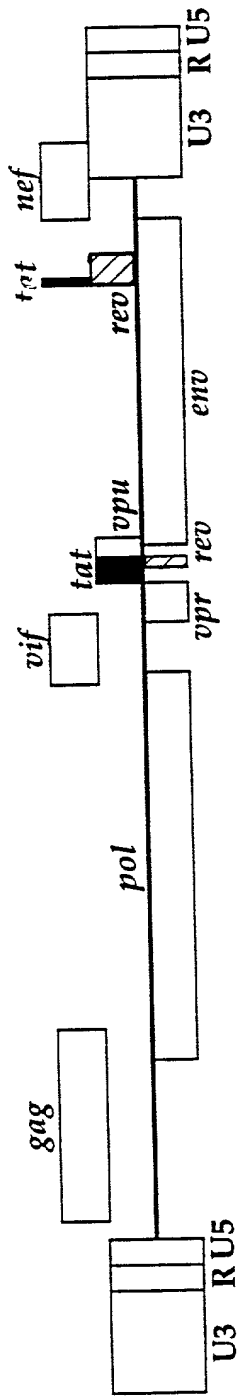


FIG. 5A

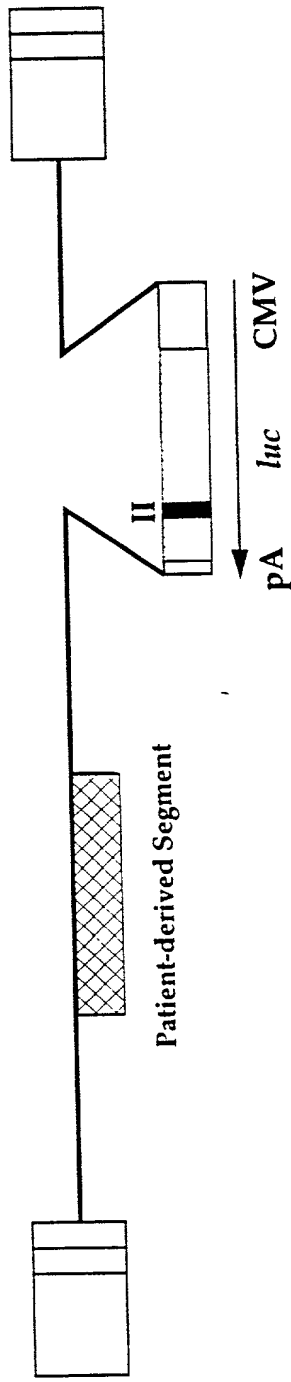


FIG. 5B

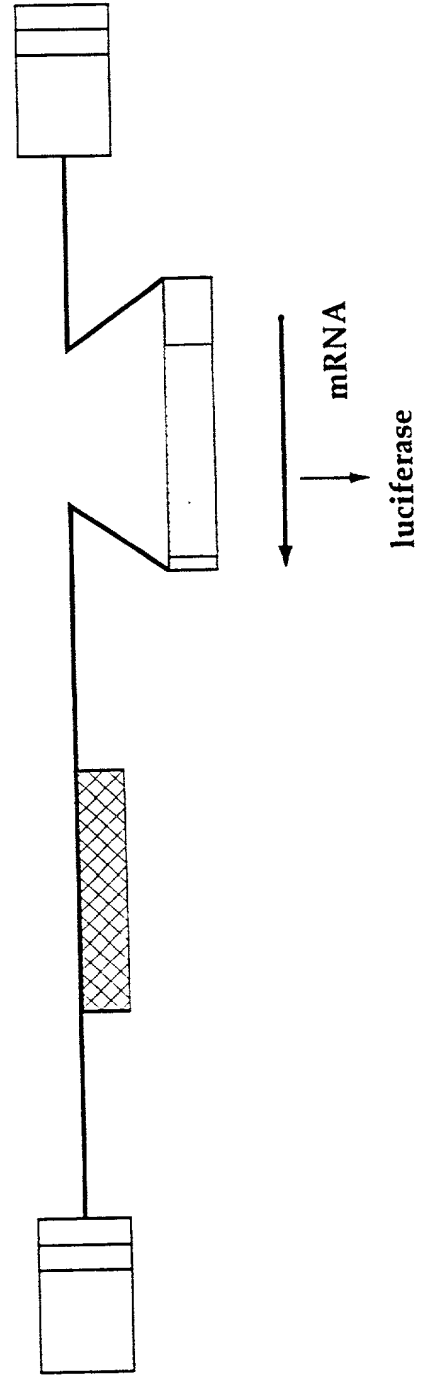


FIG. 5C

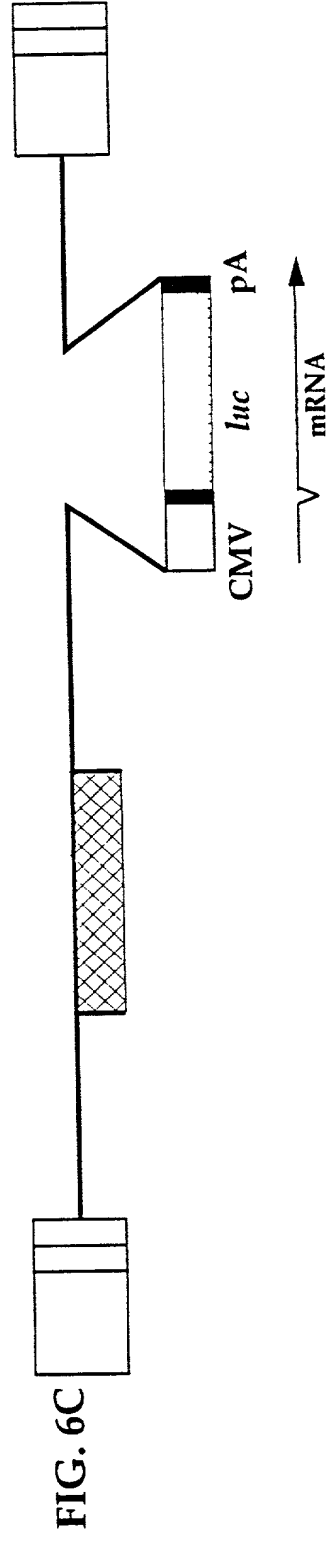
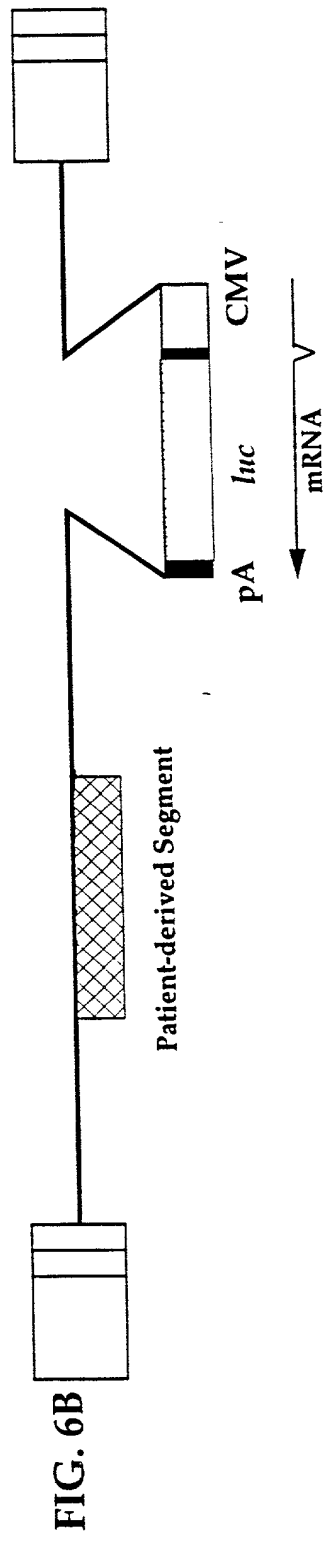
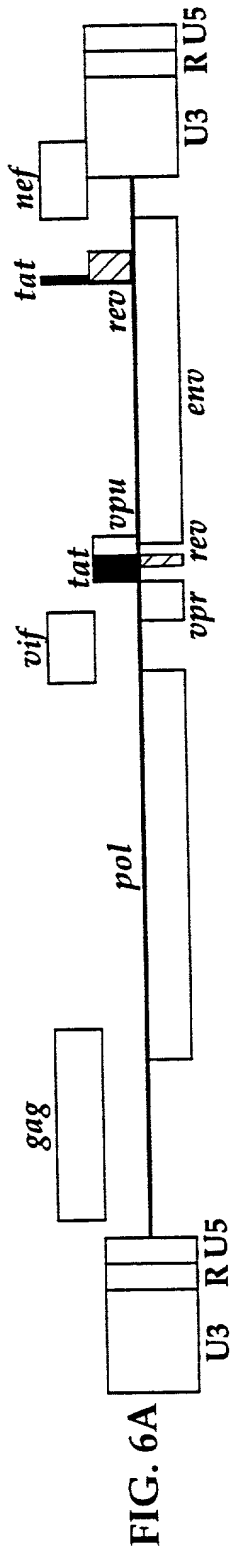


FIG. 7A

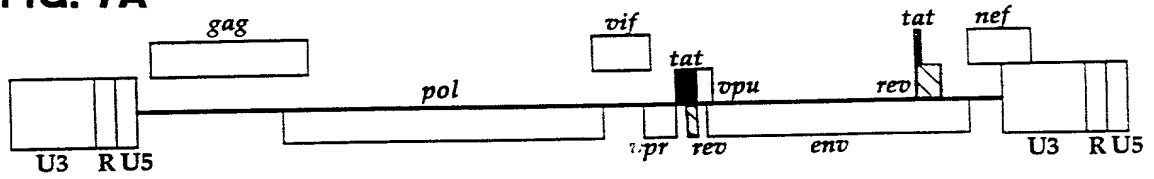


FIG. 7B

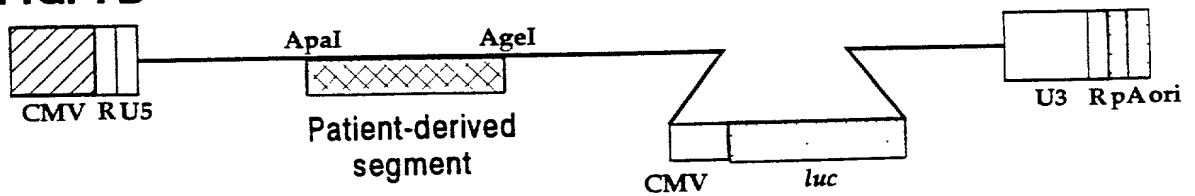


FIG. 7C

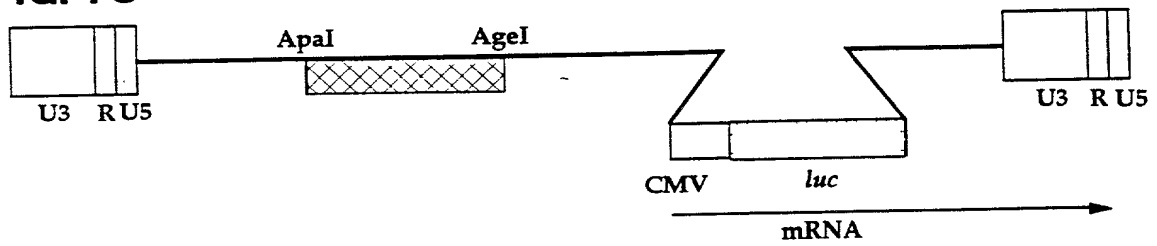


FIG. 7D

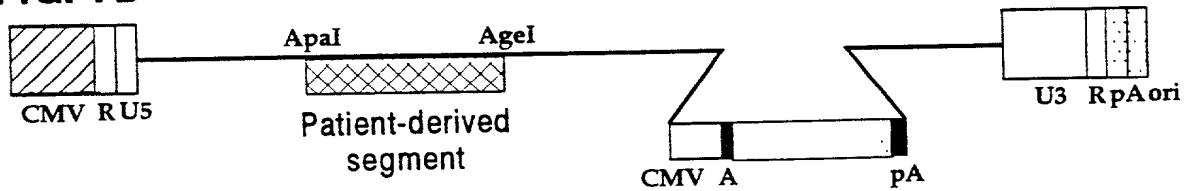


FIG. 7E

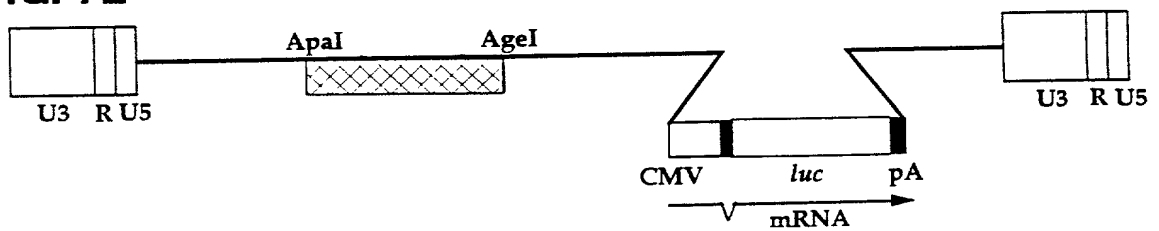


FIG. 8A

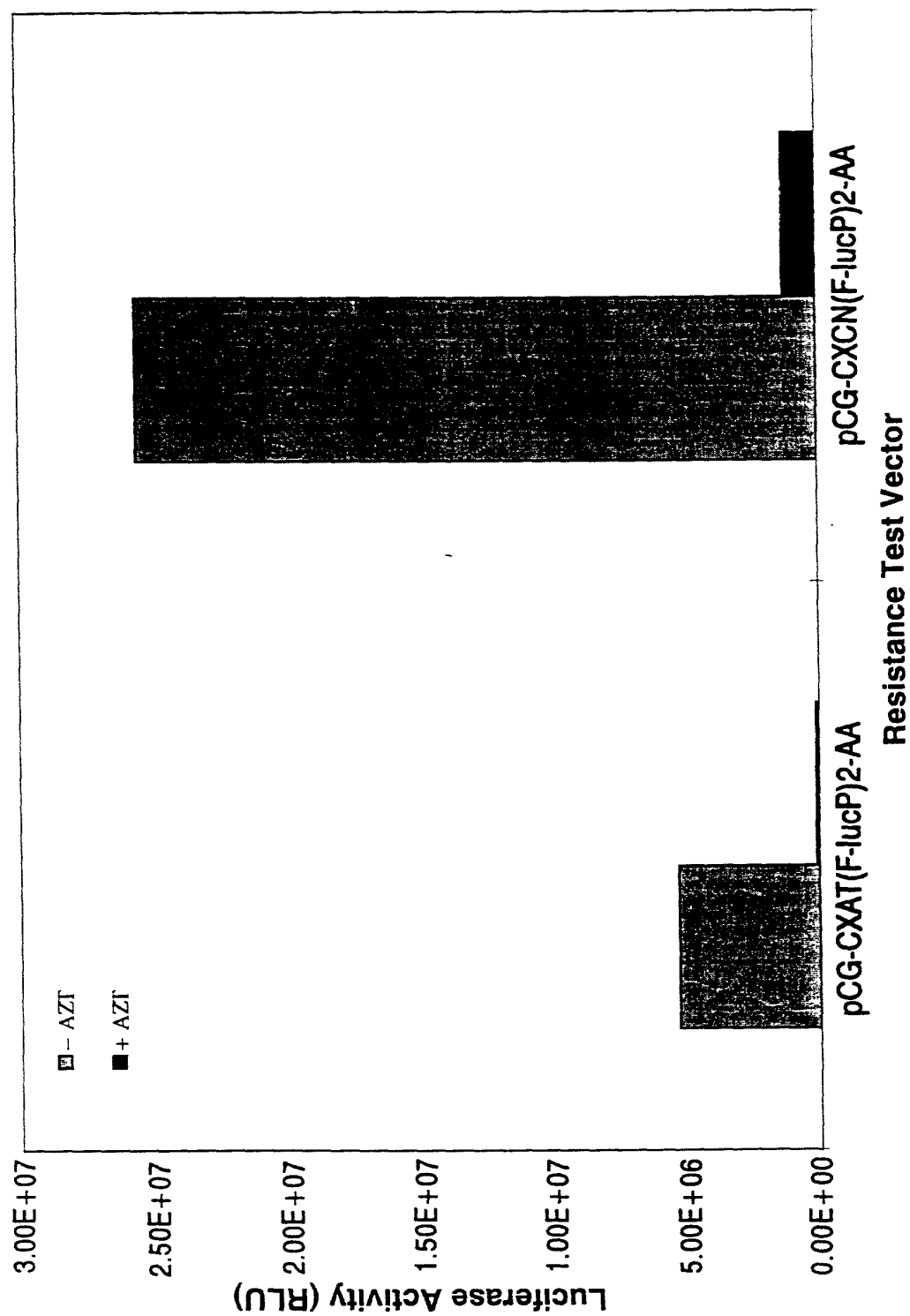
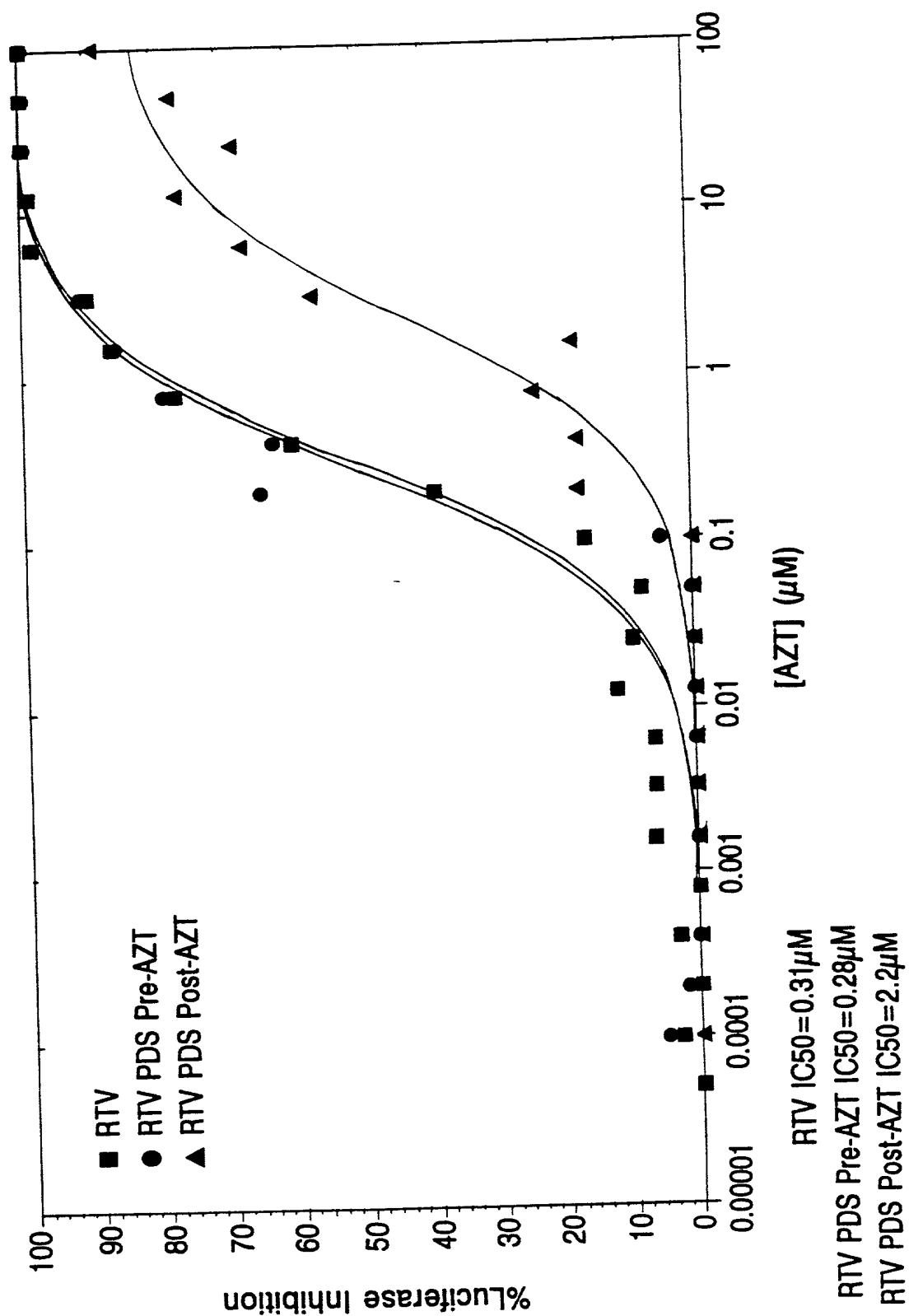


FIG. 8B





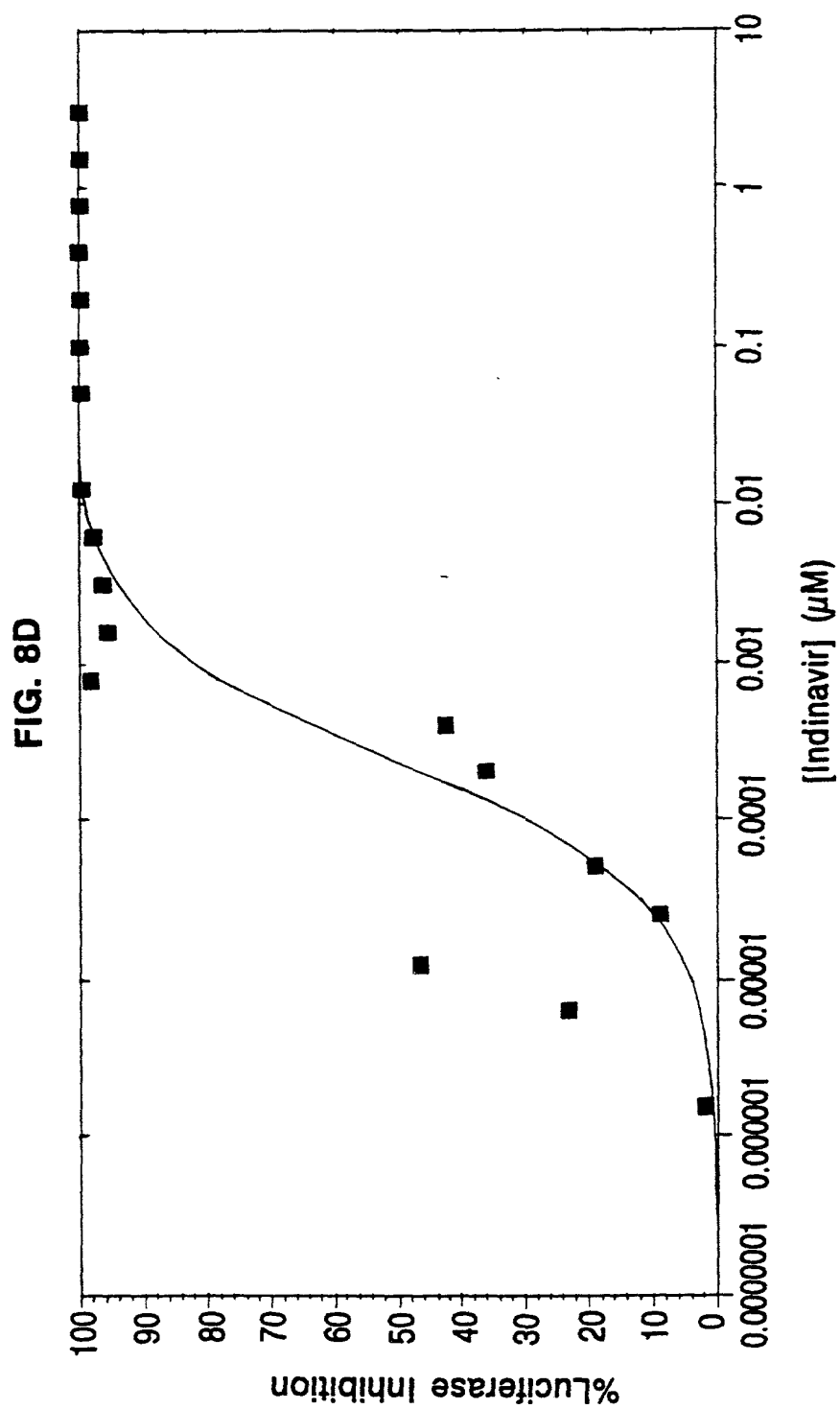
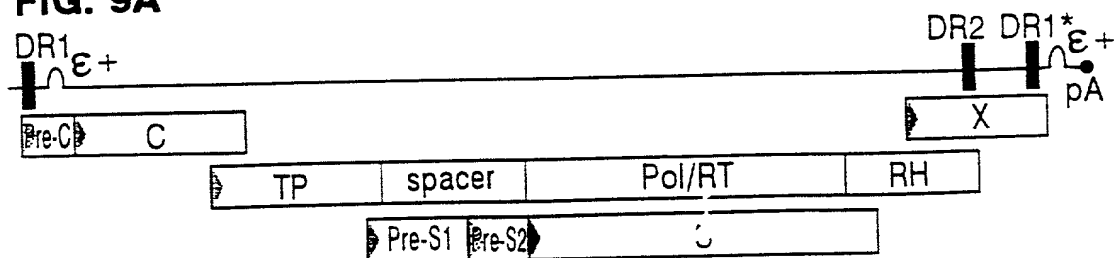
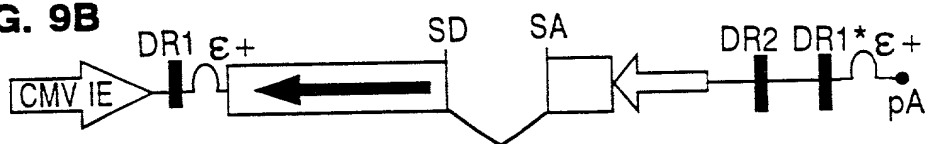
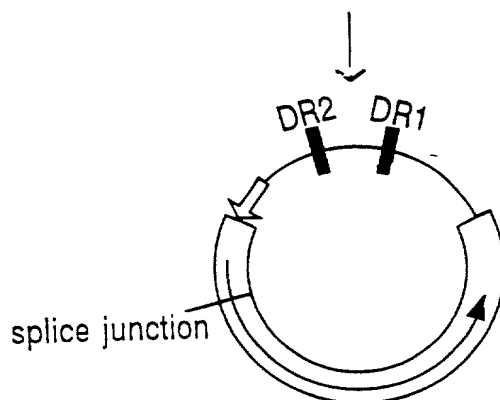
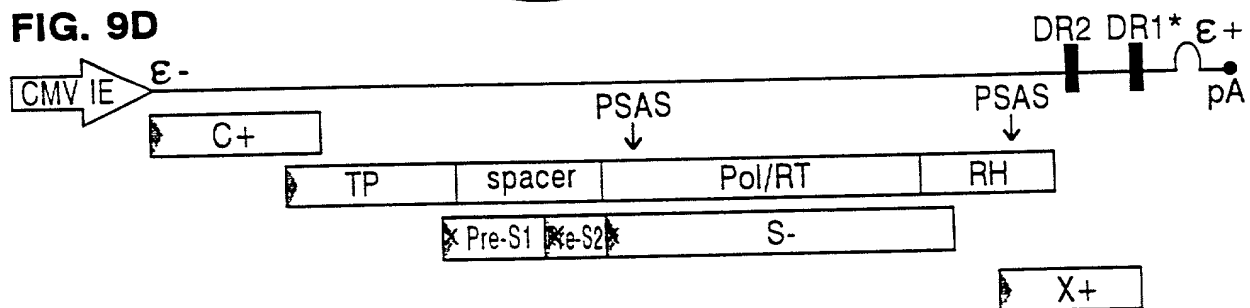
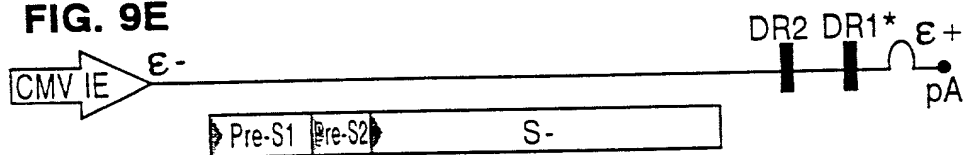
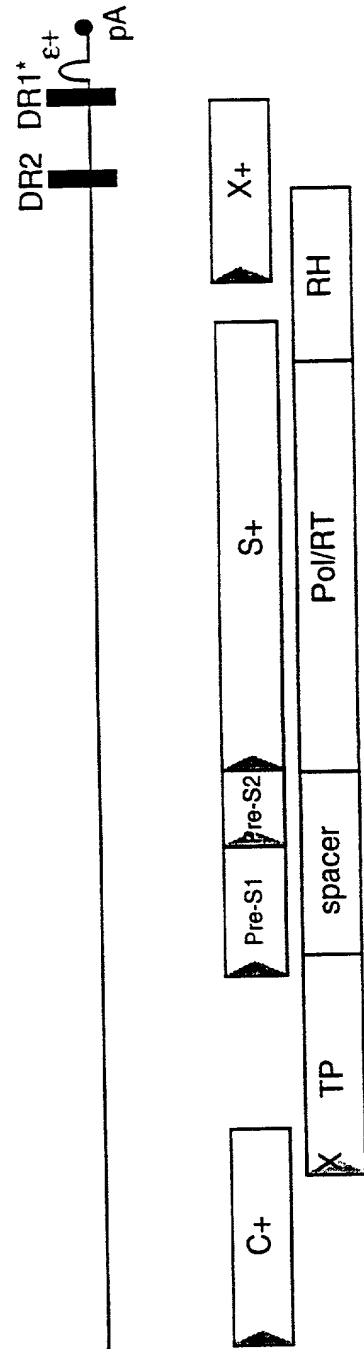
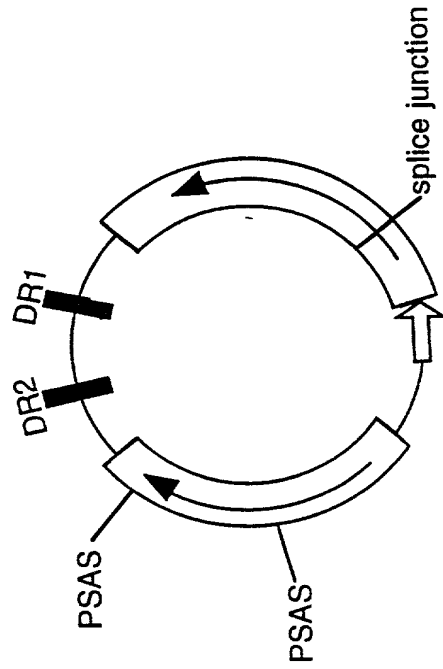
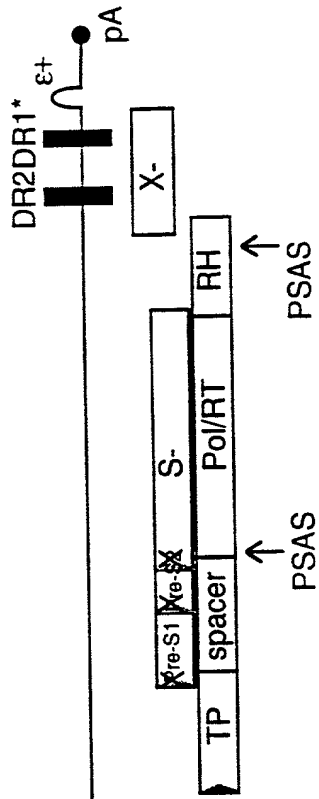


FIG. 8A-C

FIG. 9A**FIG. 9B****FIG. 9C****FIG. 9D****FIG. 9E**



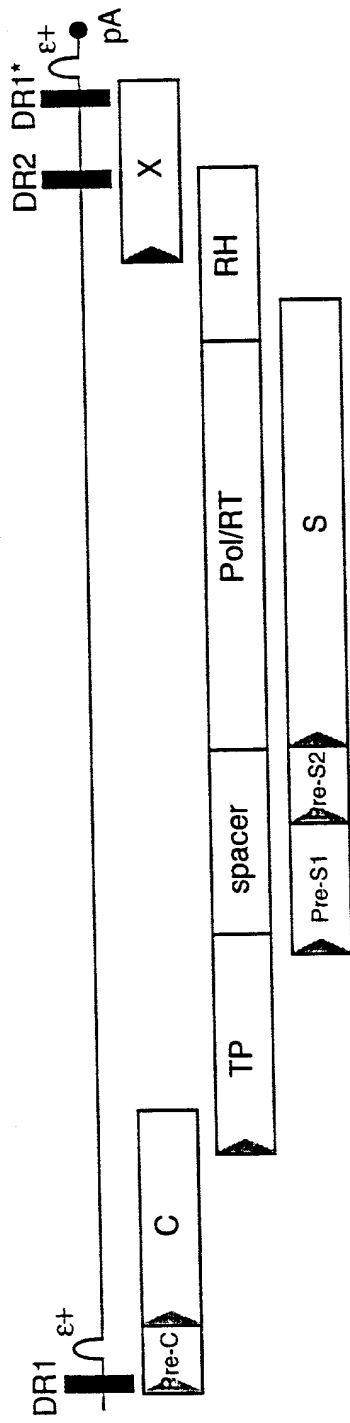


Fig. 10A

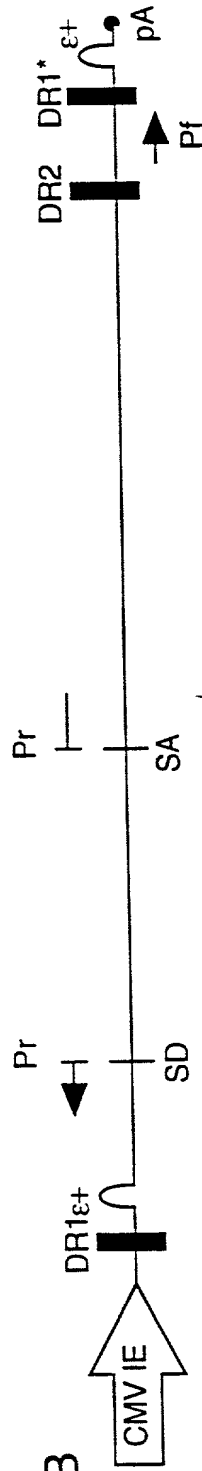


Fig. 10B

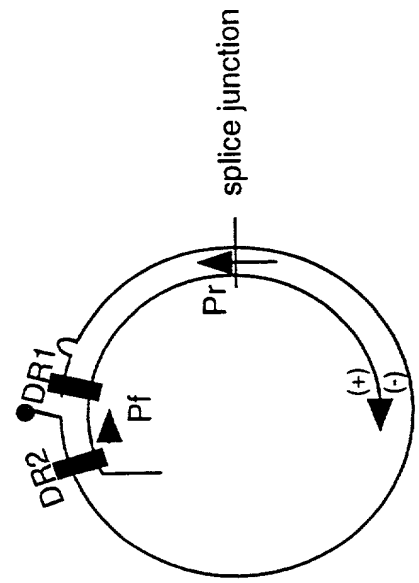
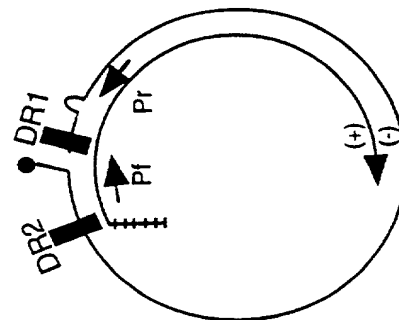
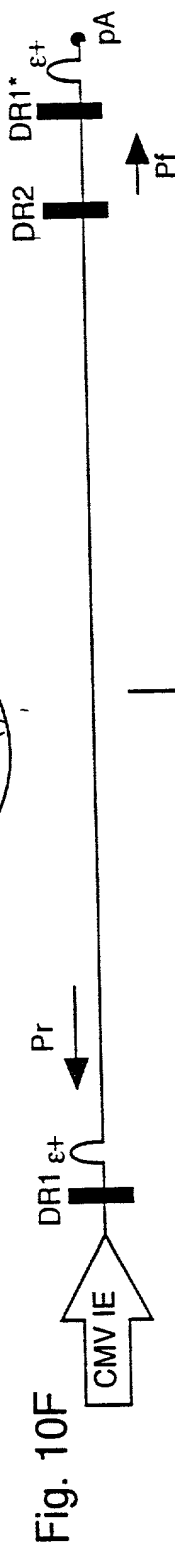
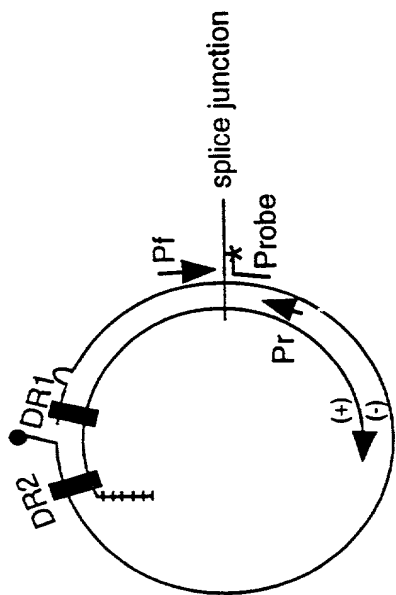
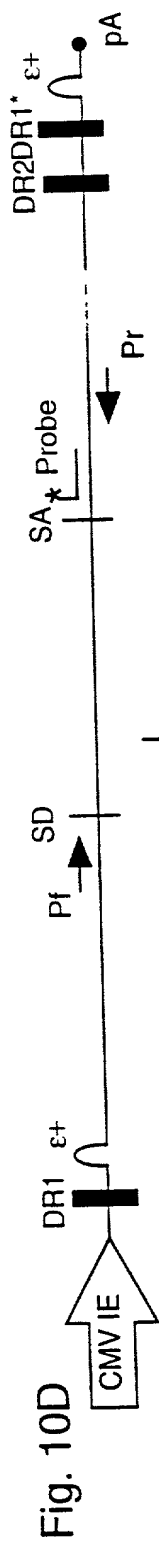


Fig. 10C



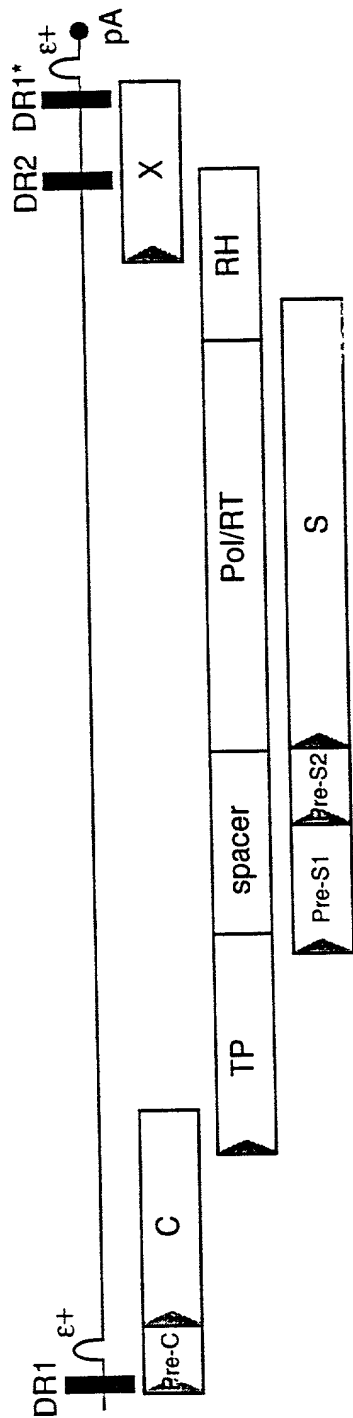


FIG. 11A

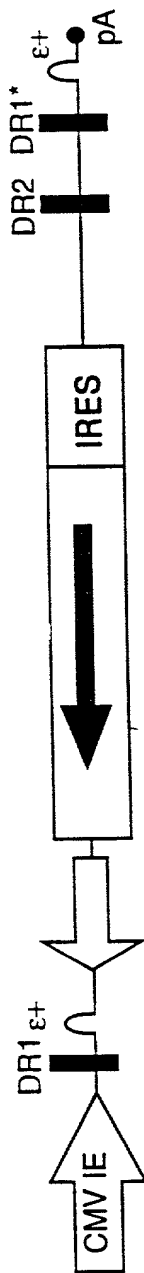


Fig. 11B

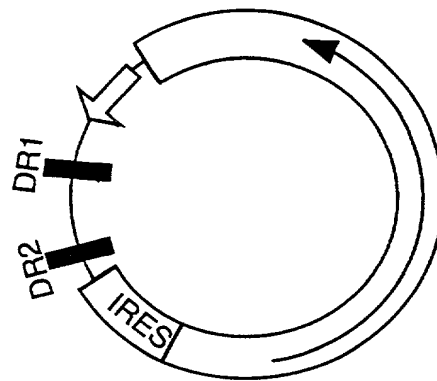


Fig. 11C

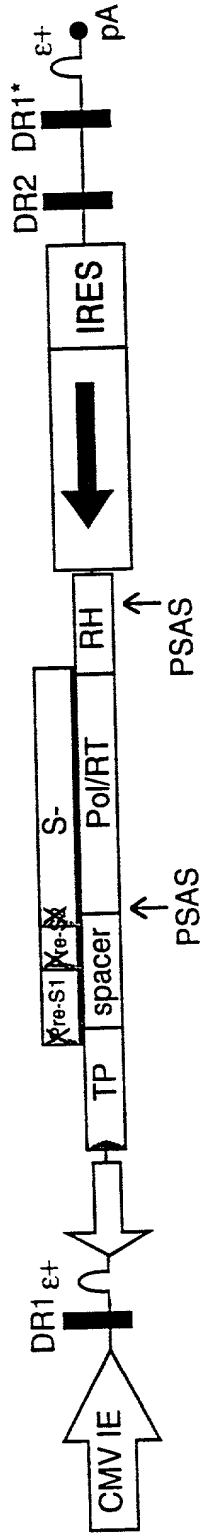


Fig. 11D

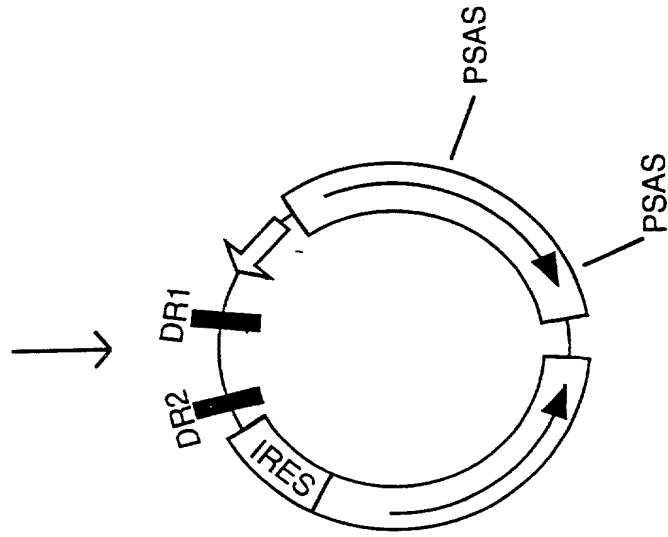
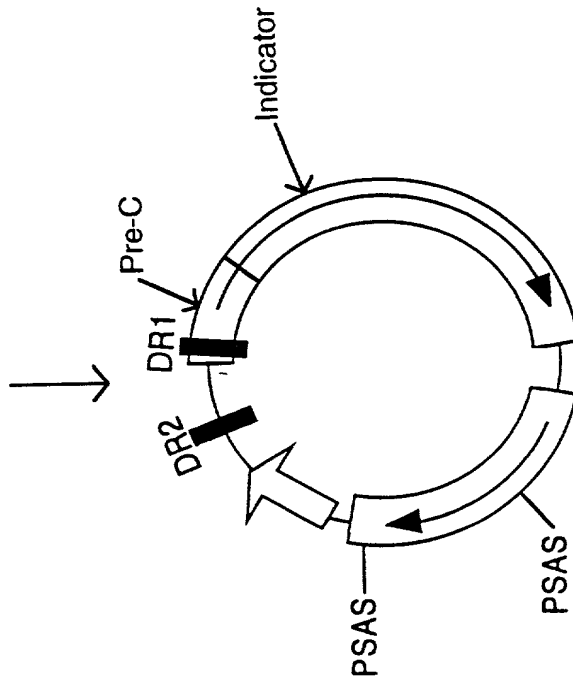
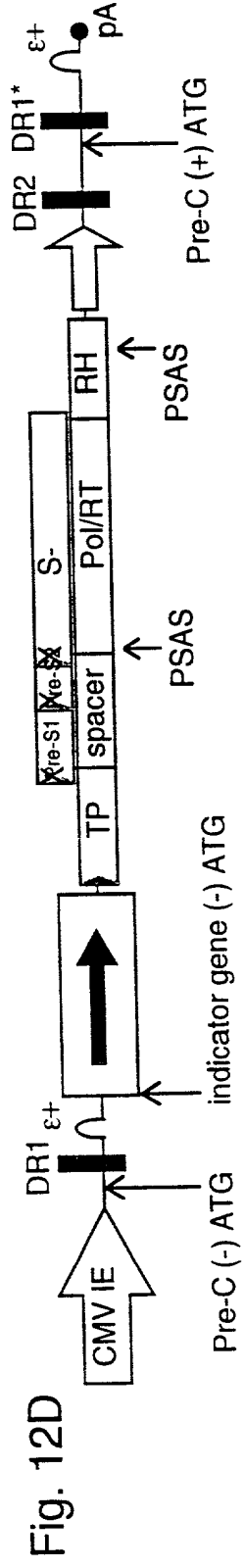


Fig. 11E



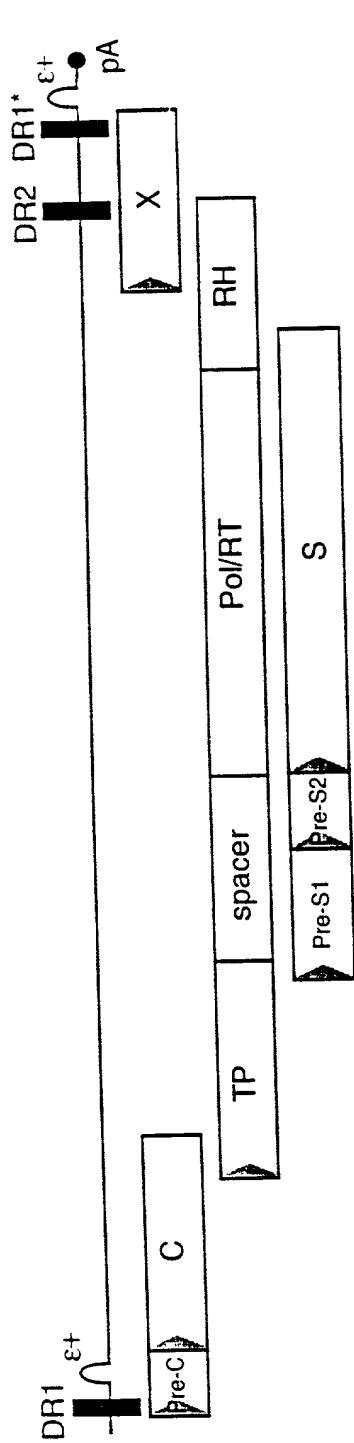


Fig. 13A

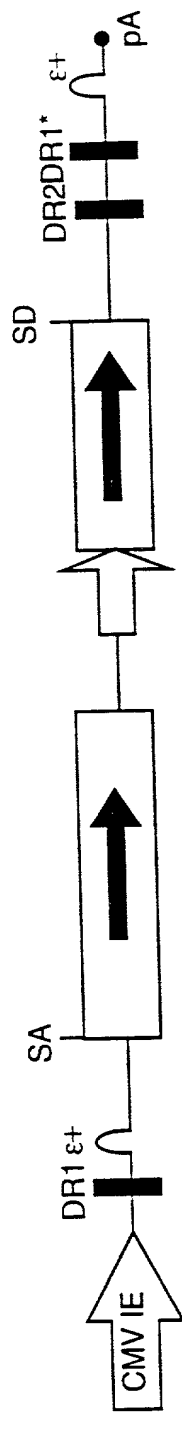


Fig. 13B

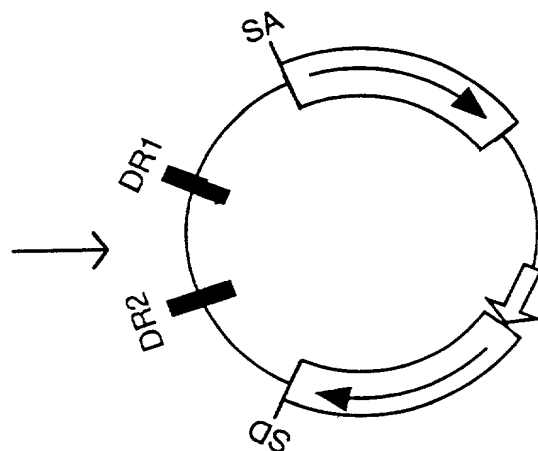


Fig. 13C

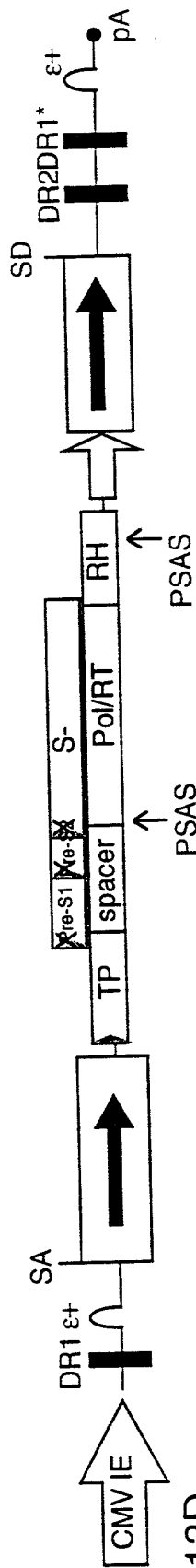


Fig. 13D

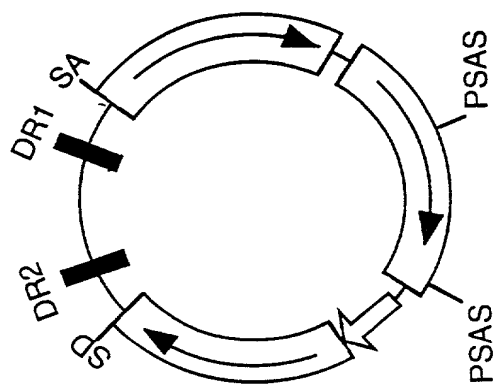


FIG. 13E

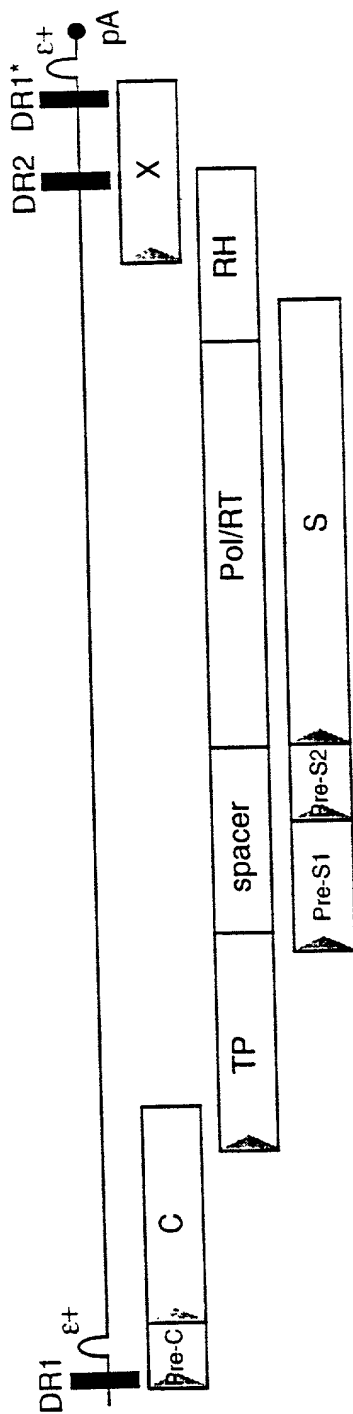


Fig. 14A

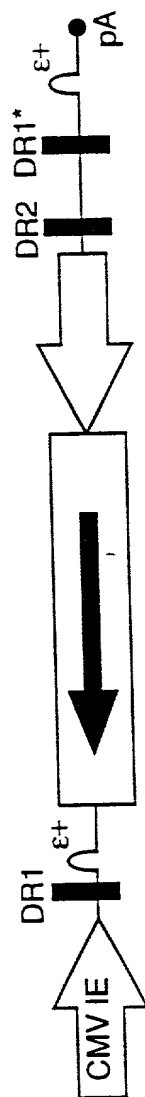


Fig. 14B

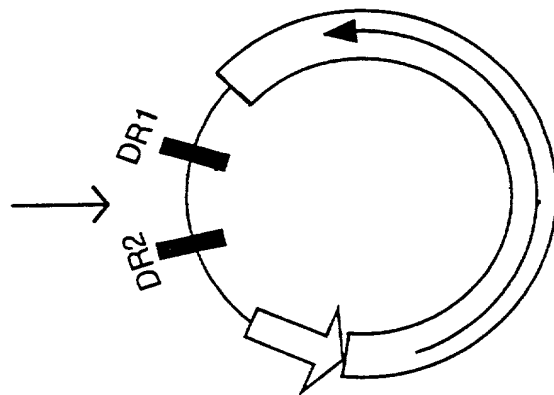


Fig. 14C

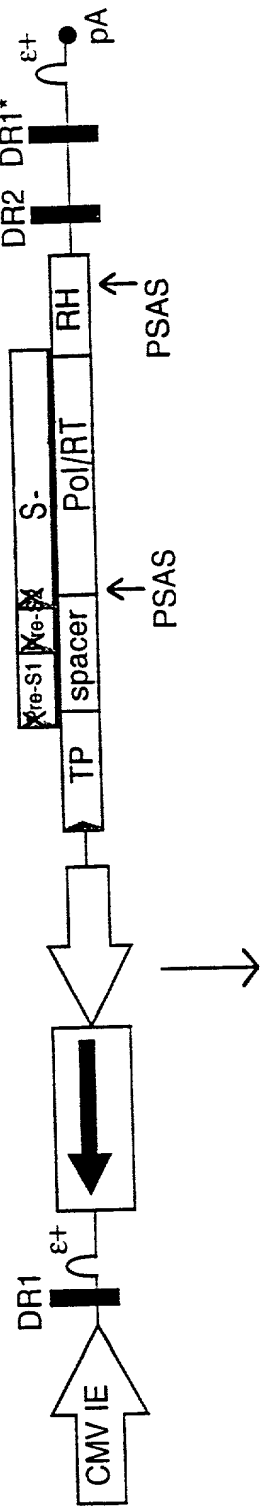


Fig. 14D

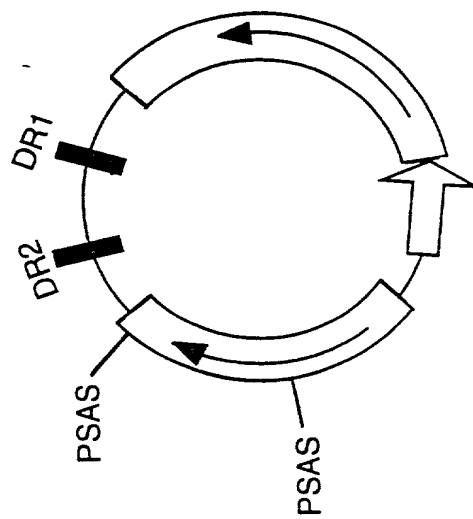


Fig. 14E

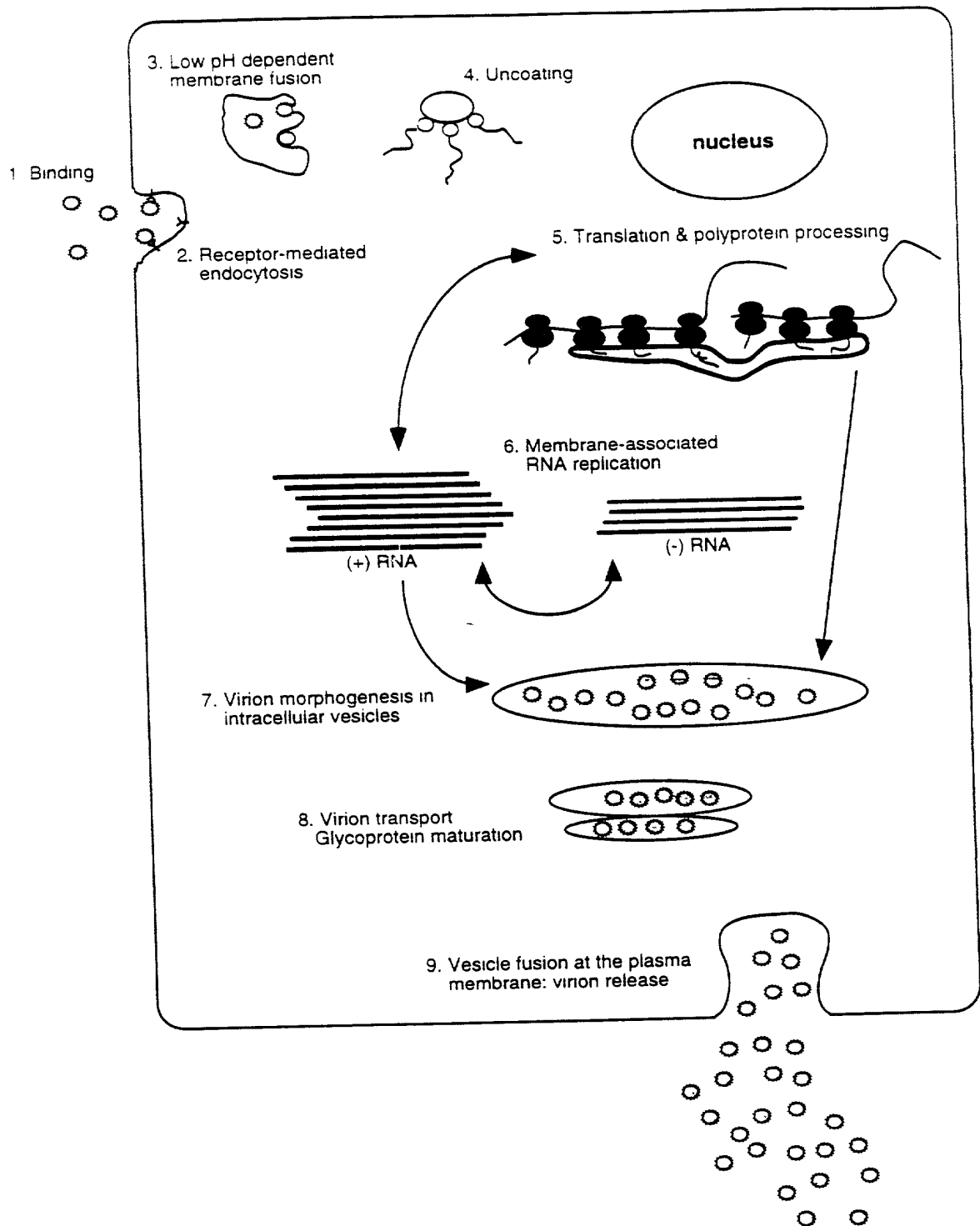
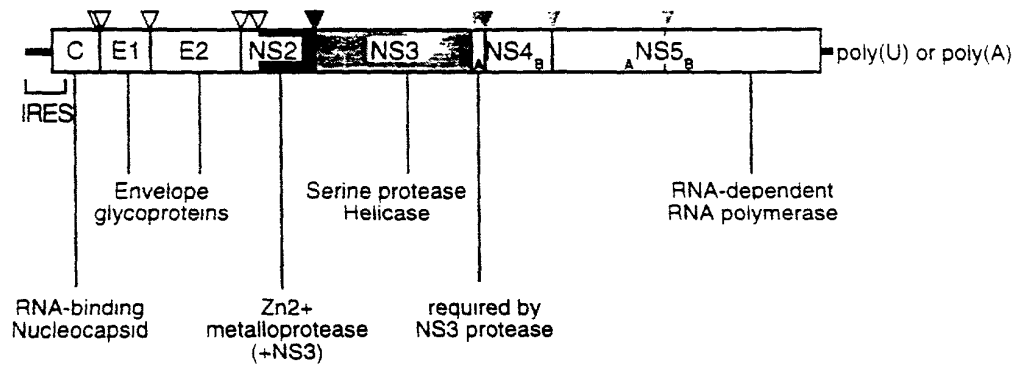


Figure 15



POLYPROTEIN CLEAVAGE SITES:

- ▽ host signal peptidase
- ▼ NS2(+NS3) metalloprotease
- ▴ NS3 (+NS4A) protease

Figure 16

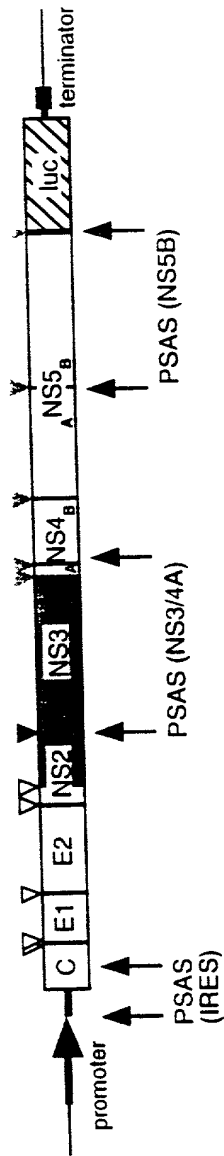


Figure 17A



Figure 17B

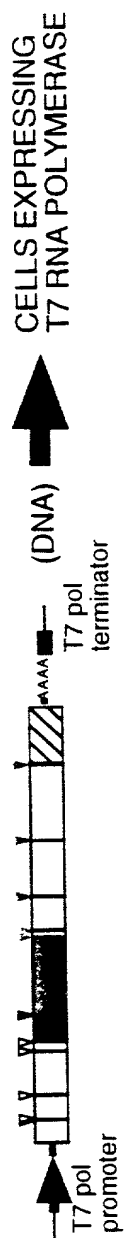


Figure 17C

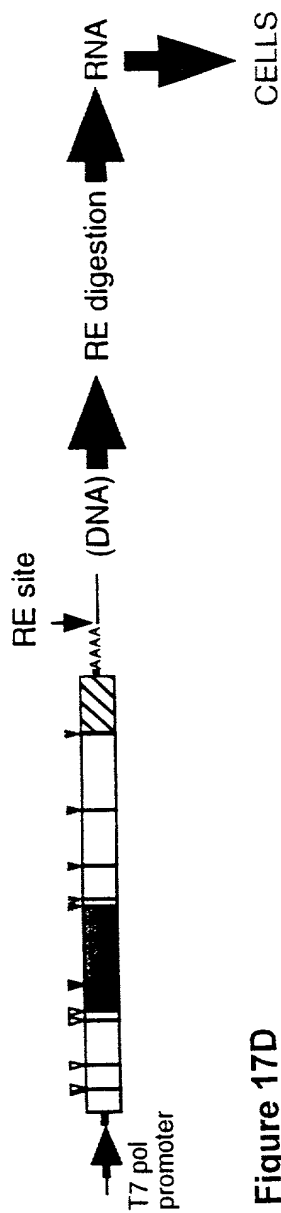


Figure 17D

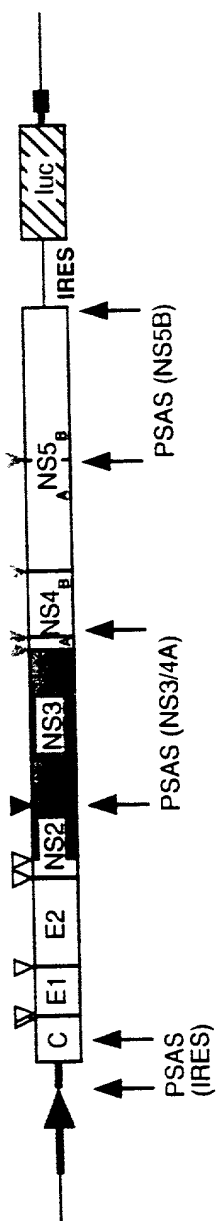


Figure 18

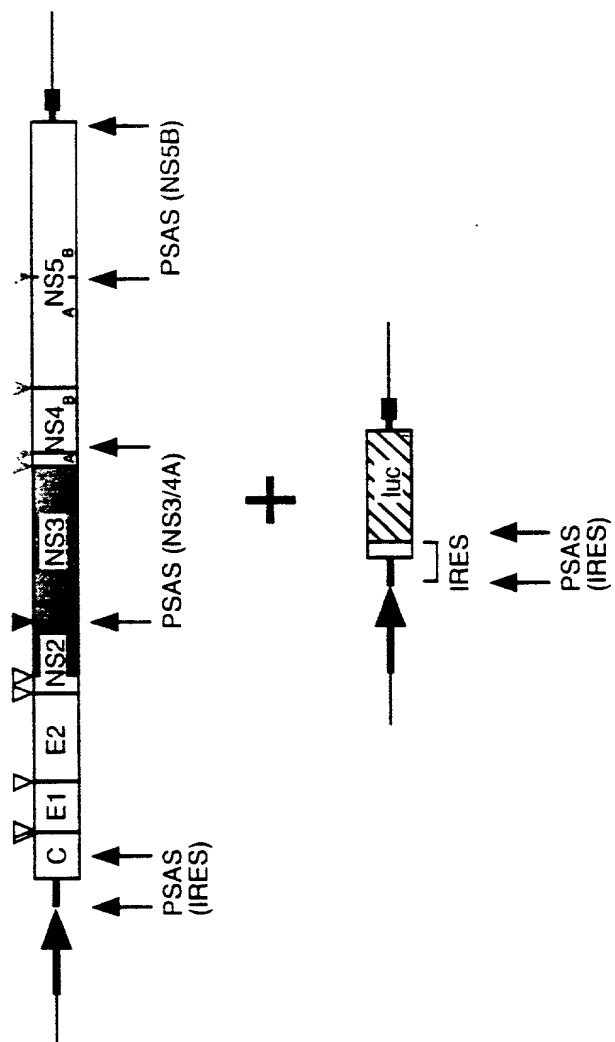


Figure 19

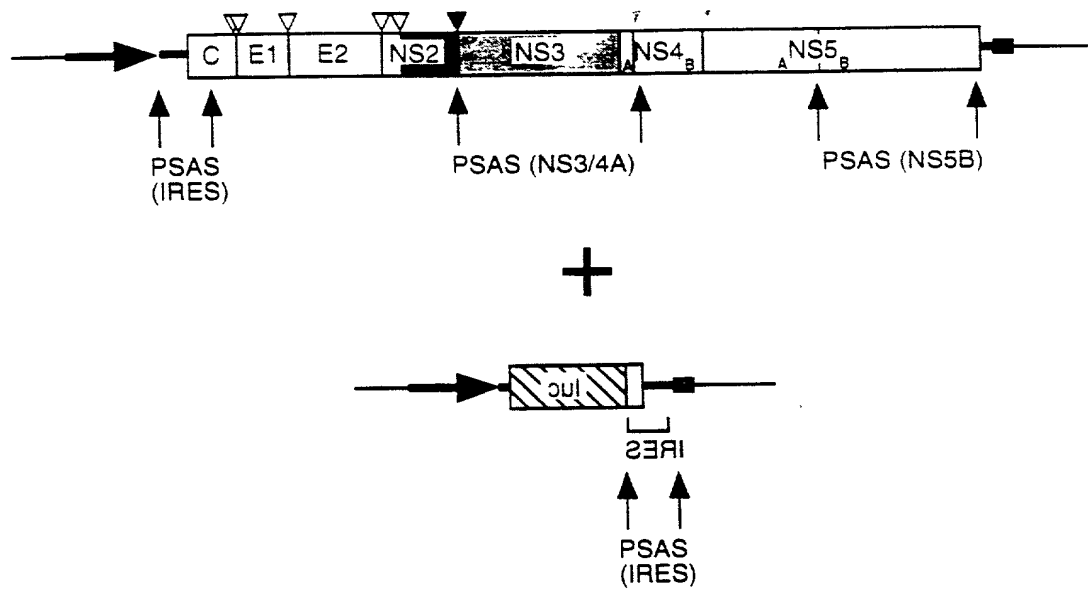


Figure 20

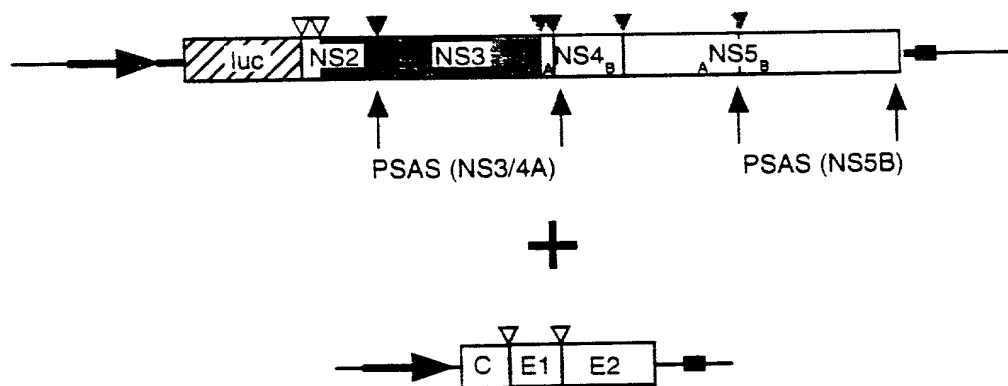


Figure 21

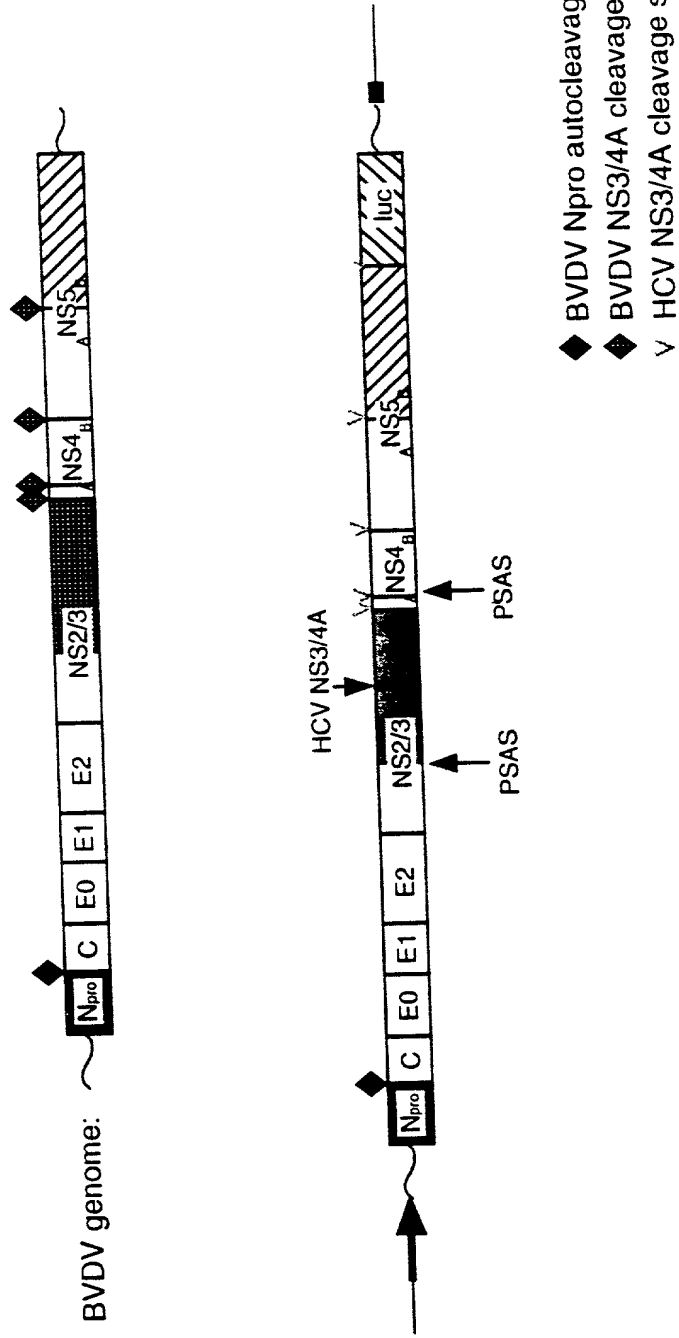


Figure 22

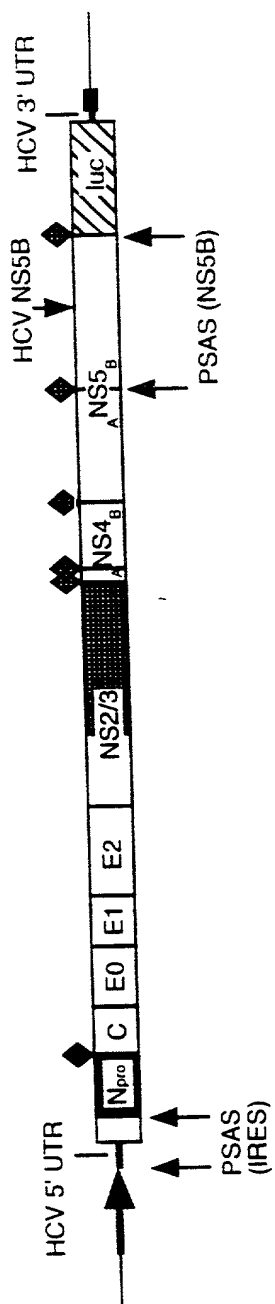


Figure 23

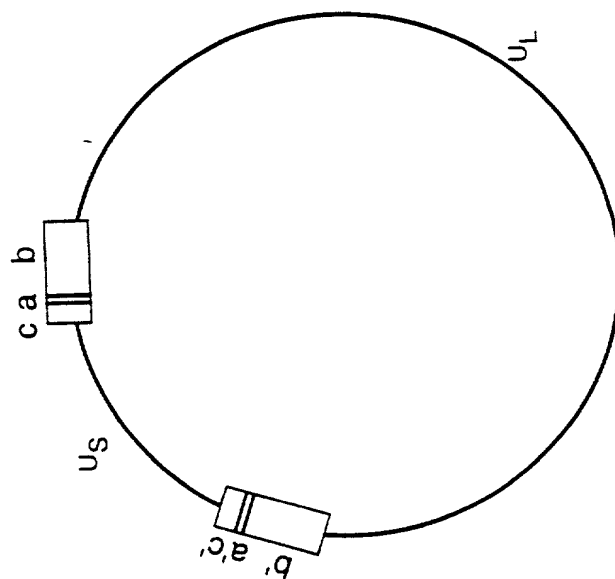
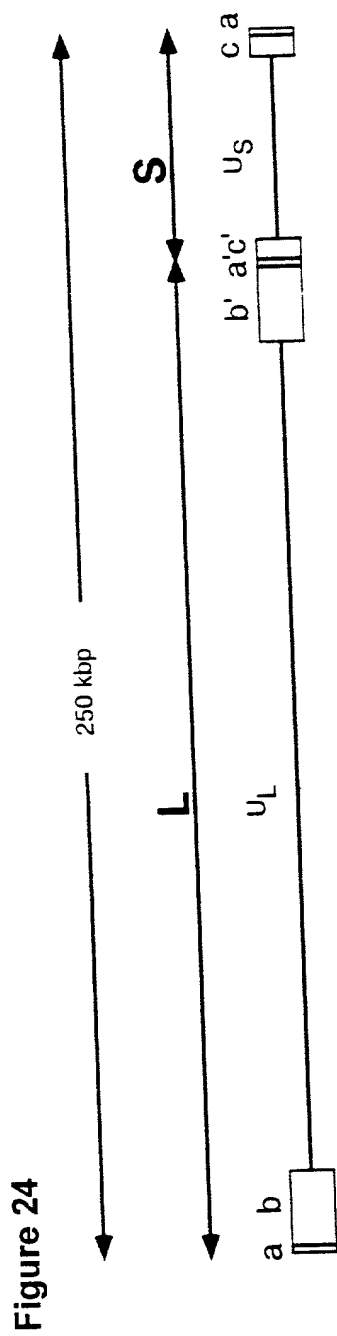
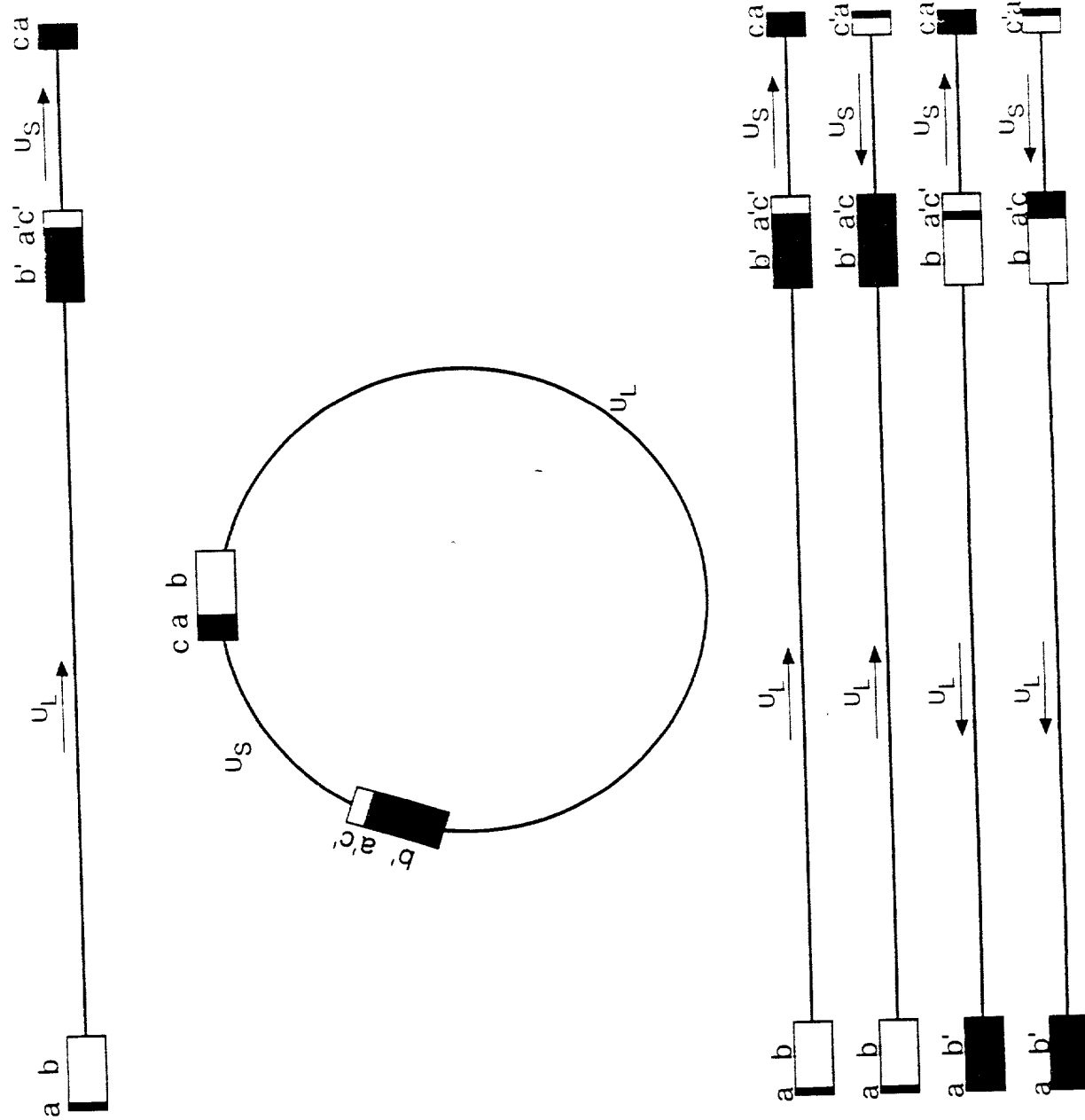


Figure 25



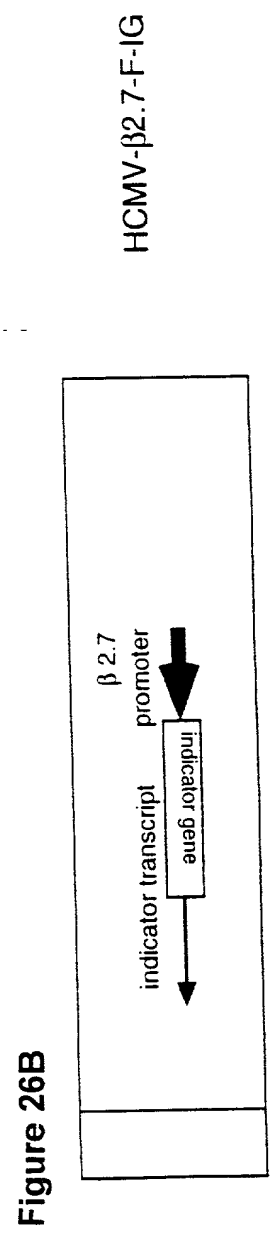
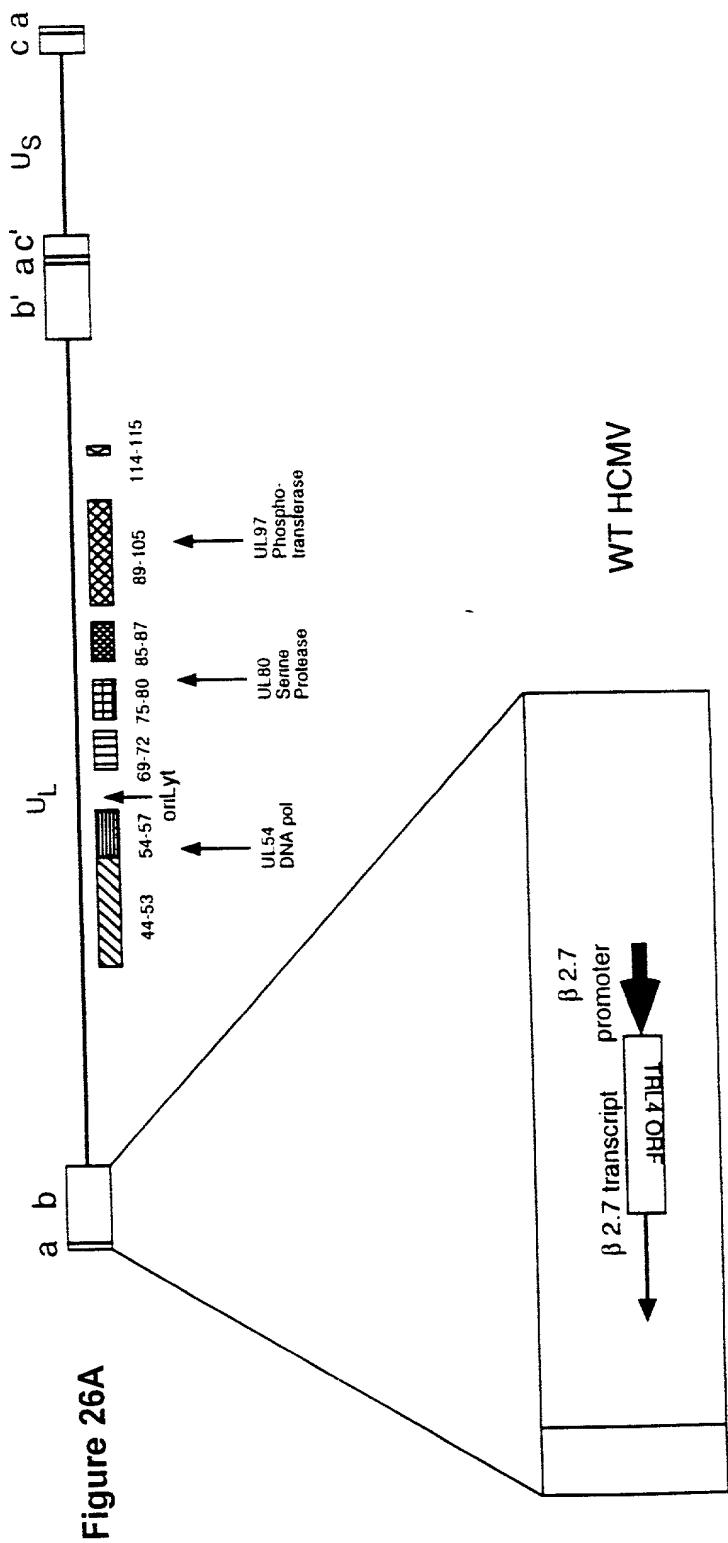


Figure 27

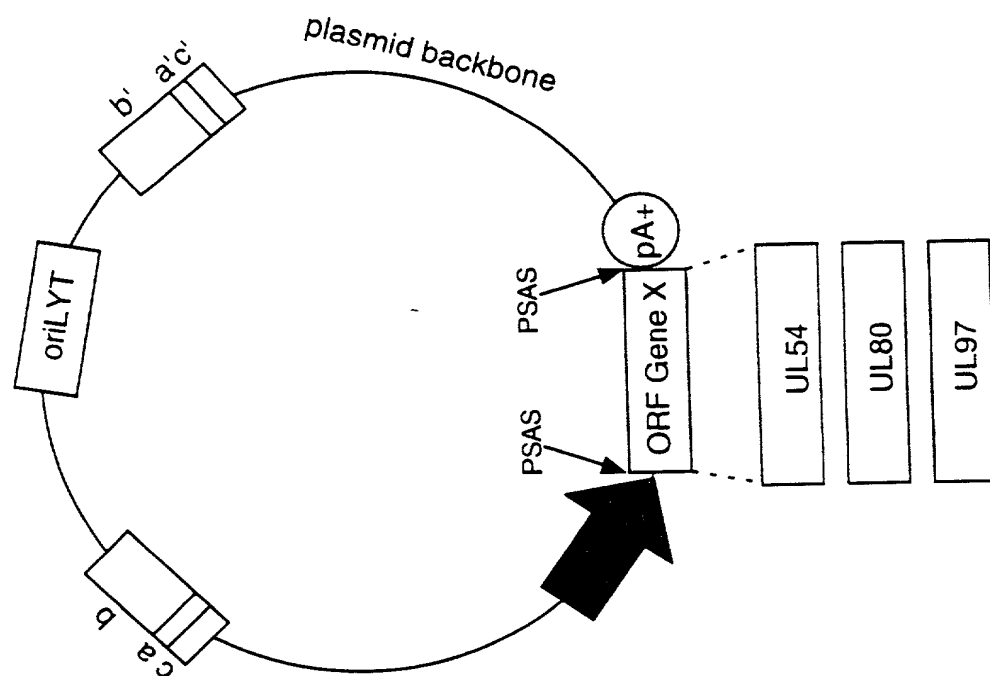


Figure 28

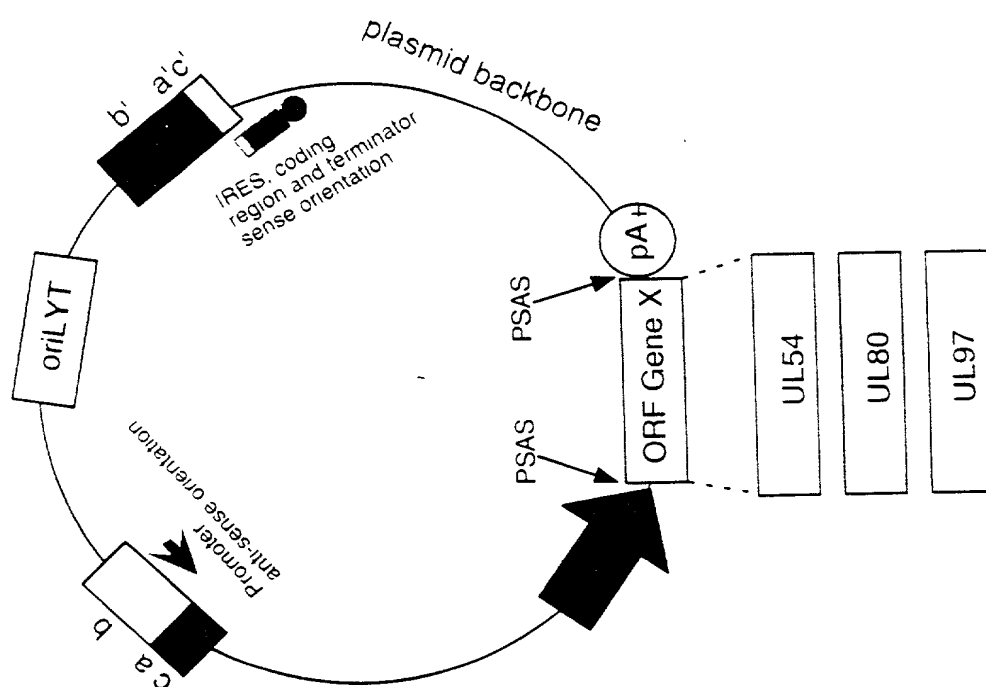
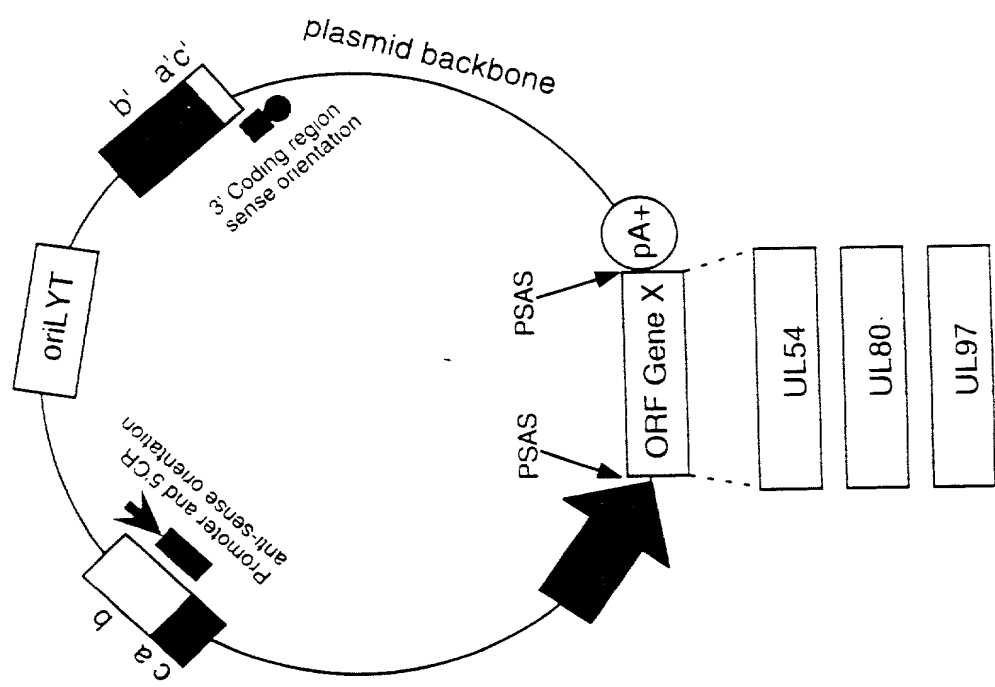


Figure 29



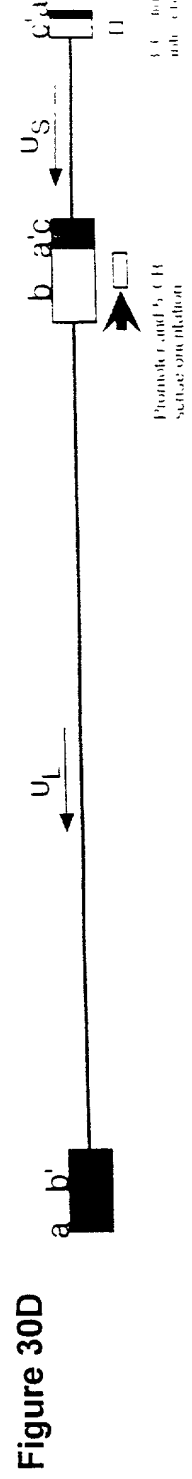
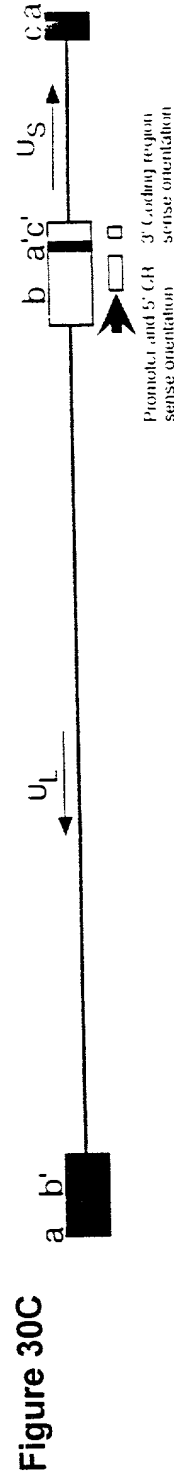
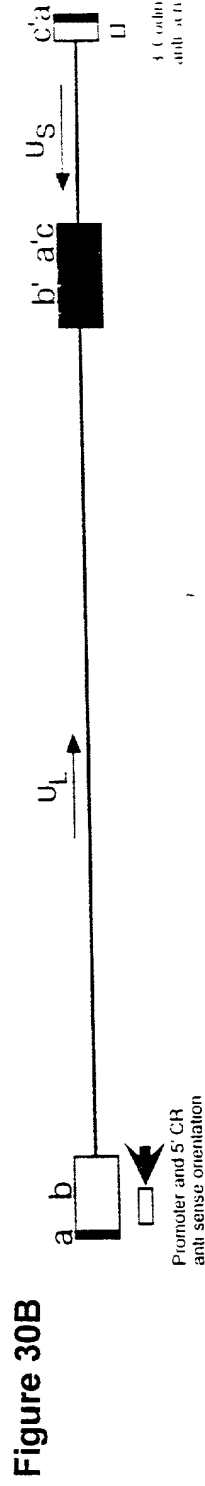
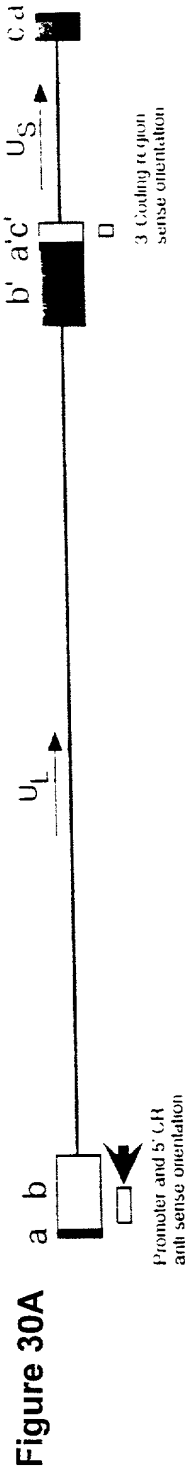


Figure 31

